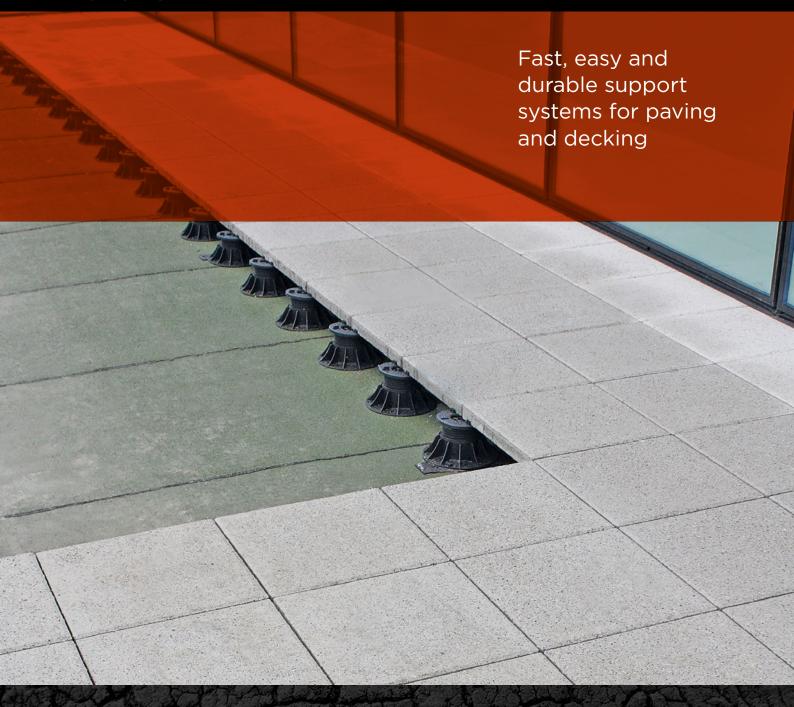




www.rynogroup.co.uk 01358 726000



RYNO DeckSupport



GROUND-BREAKING FINISHING SYSTEMS

Ryno is an innovative company, bringing ground-breaking finishing solutions to the construction sector. Every product within the Ryno family is designed to make life easier, safer and better for you.

Not only do we help you meet day-to-day challenges, but we're always looking ahead to develop breakthrough products that revolutionise the industry.

As long as there are challenges out there, Ryno will meet them head-on, with clever solutions that you'll love.

Any questions? Give us a call on 01358 726000 or email us at sales@rynogroup.co.uk



RYNO CeckSupport

Quick, clean and easy deck building. Suitable for use with all conventional decking systems.

PAGE 4



RYNO *K*PaveSupport[™]

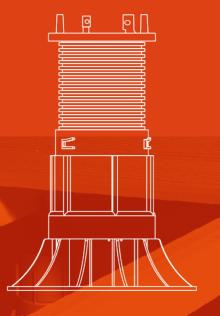
The fast and versatile, strong and safe paving solution. Suitable for use with all uniform edged paving.

PAGE **22**

RYNO *K*DeckSupport[™]

We have decking support systems to suit every project, on every scale.

Contact our sales team and let us fit you out with a system that's right for you.



- Quick to install
- Easy to adjust
- Extremely versatile
- Long lifespan





RYNO CDeckSupport

Complete Aluminium Substructure System

The RynoDeck aluminium substructure system is the ultimate decking support solution. Guaranteed never to rot, it is a perfect complement to composite decking. Its simple and sturdy design ensures rapid installation, regardless of the complexity of the project. Designed to support any conventional decking system, this is the perfect option for all decking applications.

Strong, versatile support.

Fully compatible with our pedestals and cradles, this system benefits from the unparalleled adjustability and strength of support provided by all of the RynoDeck support products.

- Ultimate decking support solution
- Supports decking boards as low as 48mm, and as high as 1070mm
- Simple design rapid installation
- Compatible with all RynoDeck pedestals and cradles
- Supports any type of conventional decking boards - softwood, hardwood, composite, PVC
- No rotting



Decking fixing

High quality stainless screws prevent corrosion and ensure long-lasting secure fastening of decking boards to substructure. Designed to work with all conventional hidden deck clips.



Aluminium joist profile

Three sizes of aluminium joist profile cater for any deck support requirements. With a continuous fixing channel designed to offer optimum fixing strength, the profiles are compatible with any board width. Extruded to high quality standards, the RynoDeck aluminium substructure offers numerous benefits over other joist materials.

- Always completely straight, ensuring perfectly even decking
- Will not warp, twist, splinter or crack
- Joists will never rot, ensuring superior longevity of decking
- Lighter than traditional methods, imposing less weight on supporting roof structures
- Greater strength-to-size ratio than traditional joists such as timber, and composite joists

Features of the self-levelling head:





Single joists 'click' into place on the pedestal.

Rotate 'clip-on' head through 90°.

Joist connector profiles

Very simple connection methods mean the aluminium substructure is ultra-quick to install and gives great versatility when constructing a complex deck area.



'Clip-on' self-levelling head

Due to its unique features, the newly designed 'clip-on' head makes for significant time saving.

Unique design features allow the RynoDeck aluminium joists to be rapidly 'clicked' into place on the pedestals, without the need for fixings, and effortlessly overcome the most challenging of applications.

- Allows RynoDeck aluminium joist profiles to simply be 'clicked' into place
- Unique multi-directional head allows for single joists, double joists, and perpendicular profiles
- Incorporates Self-levelling design to easily accommodate sloping areas of up to 10.5% gradient (6°)



Double joists 'click' into place side by side, perfect for supporting board joins.



Versatile design allows for multi-directional applications.

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1

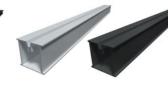
RYNO DeckSupport[®] Complete Aluminium Substructure System

Joist profiles





Connections



DS38 Aluminium Joist Width: 48mm Depth: 38mm Finish: Mill finish or powder coated



powder coated



DS-PF Perimeter/Fascia Profile Fixes to side of joist to allow vertical fixing of boards where step/fascia detail is required. Finish: Mill finish or powder











coated

Cradle

DS72







DS-AC 135 Adjustable Angle Joist Connector Available for 38, 72mm joist profiles

DS-VC Perimeter/Fascia Profile Bracket

DS-BB Ballast Bracket





DS-SSDS-38 DS-SSDS-19 Stainless Steel Stainless Steel Decking Screw Decking Screw

DS-SSJS

Self-levelling pedestal Stainless Steel Joist Screw for For sloping areas for Plastic Clips for Metal Clips Joist Connectors with compatible 'clip-on' head. See RynoDeck

System 2 for

pedestal size

range



Fixed-head pedestal

For flat areas with compatible head. See RynoDeck System 3 for pedestal size range



Cradle For use with For use with DS38



Technical Specifications

Material

Aluminium Alloy 6063

Temper

Finish

Mill finish or powder coated to RAL 9005 (black)

Support Height

48 - 1072mm (when used in conjunction with RynoDeck pedestals/cradles)

Allowable load (uniformly distributed)

4.0 kN/m² (further information available on request)

Allowable load (concentrated)

1.4 kN (further information available on request)

Supporting pedestals/cradles

See systems 2, 3 & 4 for technical specifications

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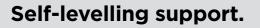
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RYNO CockSupport

Self-levelling Adjustable Decking Pedestals

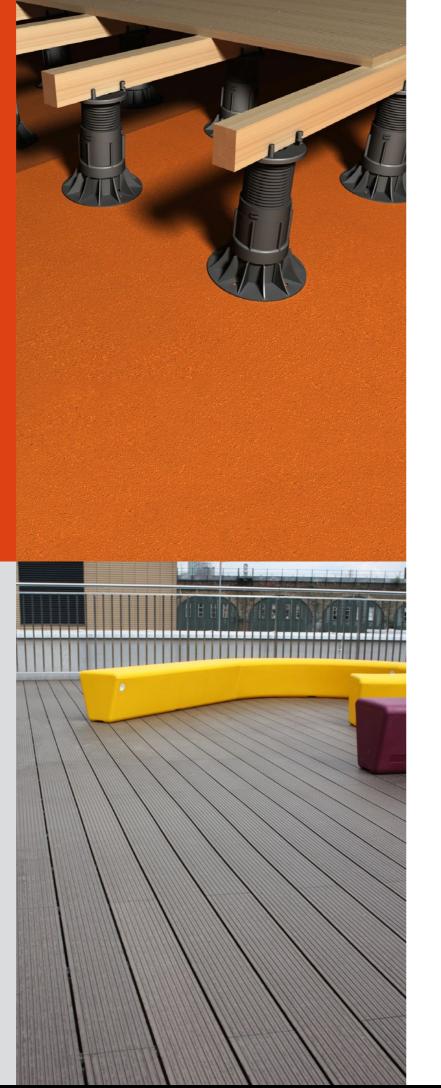
The RynoDeck self-levelling adjustable pedestal is unrivalled in its field.

Designed to support any type of decking or flooring joist, it offers the highest compressive strength of any pedestal system on the market.



The unique self-levelling pedestal head and impressive height range will accommodate even the most complex decking issues – including sloping areas, drainage and maintenance access.

- Unique self-levelling design offers slope correction up to 10.5%
- Ultimate compression strength for maximum durability
- Simple design ensures rapid installation
- For use with any joist size or type timber, composite, aluminium, steel



<u>+ †</u>

Self-levelling bearer support head

Due to its innovative self-levelling head design, RynoDeck has the fastest installation time of any pedestal system available.

- Utilises the 'ball & socket' joint concept to allow a free moving captive head
- Provides slope correction of up to 10.5% (6°)
- Lay paving or decking directly onto pedestals without manual slope correction
- Offers significant time savings and a perfectly level finished area
- Can accommodate bearer width of up to 100mm
- Alternative head available to support paving









Optional deck tile head

The Self-Levelling Bearer Support Head is replaceable with a Deck Tile Head, if you wish to lay decking tiles.

Adjustable threaded section

This heavy grade threaded section allows you to adjust the height in minute increments, within the given range. It's easy to adjust, simply grab and twist.

Ĵ

Height extension collar

A very simple design with a single 'click' motion to attach, these extension collars build up the pedestals in 100mm increments.



Wide supporting base

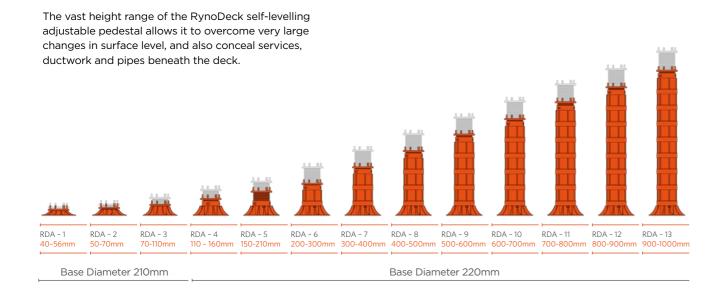
Pedestals are loose laid and do not require fixing to the floor.

- Large diameter spreads loads and ensures stability
- Prevents damage to roof membranes and other substructures
- Can be fixed down into concrete, or loose laid on roof membranes, etc.
- Incorporates water drainage holes to prevent moisture build-up

2

RYNO DeckSupport[®] Self-levelling Adjustable Decking Pedestals

Size range



Optional components



RDA - DTH Deck Tile Head For use when installing decking tiles.

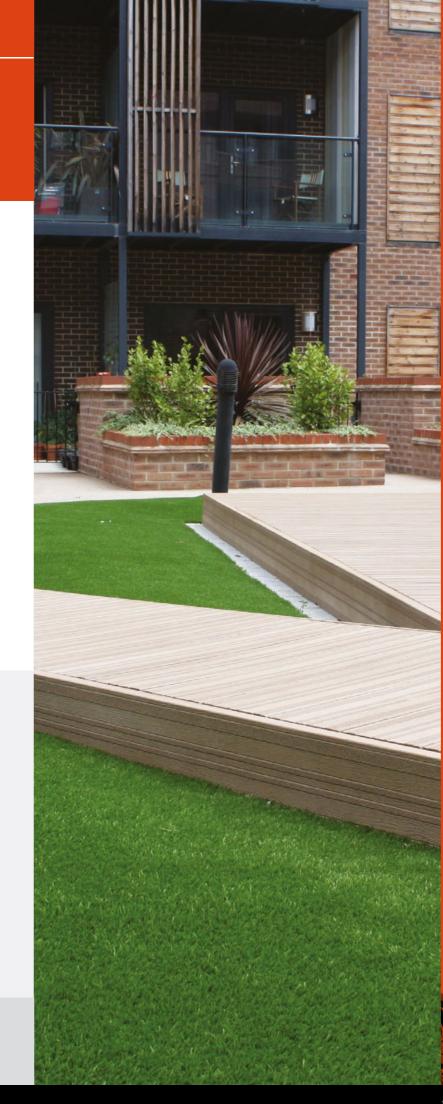
RDA-BRSP

Base Rubber Shock Pad Installed to enhance acoustic properties, or where membrane requires additional protection.

RynoDeck pedestal spacing & quantity calculations

For help calculating the quantity of pedestals you require, or for any other guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Material

PP Polypropylene (recyclable), UV resistant

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

40mm - 1000mm

Compression

2100 Kg (certified compression data available on request)

Base diameter

210mm / 220mm

Head diameter

135mm

Bearer capacity

Up to 100mm

Working temperature

RYNO CockSupport

Fixed-head Adjustable Decking Pedestals

The RynoDeck fixed-head adjustable pedestal offers a high quality and economical option for supporting decking systems on completely level surfaces. Its impressive 22-550mm height range makes it perfect for areas with problematic height restrictions, as well as areas where greater height build-up is required.

Support in any space.

With a simple but very effective design, this pedestal makes for a rapid and effortless decking installation.

- Robust product ensuring stability of decking area
- Perfect for very low height installations; adjusts down to 22mm
- Accommodates all types and sizes of decking joist





Bearer support head

Due to its low profile design, the bearer support head allows this pedestal to go right down to 22mm height. The head utilises a clever connection which allows it to turn freely on top of the adjustable threaded section of the pedestal, meaning that the pedestal height can be adjusted once the joist is on top. Joists of up to 80mm can be used and are fixed through a heavy-duty locator bracket.



Height extension collar

A very simple design with a single 'click' motion to attach, these extension collars build up the pedestals in 100mm increments.

Adjustable threaded section

The robust threaded section allows for incremental height adjustment within the given range. Effortless to adjust, simply turn the section by hand, even once the joist is in place.



Support base

The broad base spreads the load on the surface below and ensures stability.

The pedestals are normally loose laid onto roofing membranes which must not be penetrated, or can be mechanically fixed to concrete or other substrates.

RYNO DeckSupport Fixed-head Adjustable Decking Pedestals

Size range

The RynoDeck fixed-head adjustable pedestal is the perfect solution where decking is to be supported on a totally flat area. Capable of supporting joists as low as 22mm off the surface, it will overcome the common problem of height restrictions, as well as quickly and simply elevating decking areas up to 550mm high.

3



Optional components



RDF - DTH Deck Tile Head For use when installing decking tiles.

RDA- BRSP

Base Rubber Shock Pad Installed to enhance acoustic properties, or where membrane requires additional protection.

RynoDeck pedestal spacing & quantity calculations

For help calculating the quantity of pedestals you require, or for any other guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Material

PP Polypropylene (recyclable), UV resistant

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

22mm - 550mm

Compression

1000 Kg

Base diameter

200mm

Head diameter

120mm

Bearer capacity

Up to 80mm

Working temperature

RYNO CockSupport

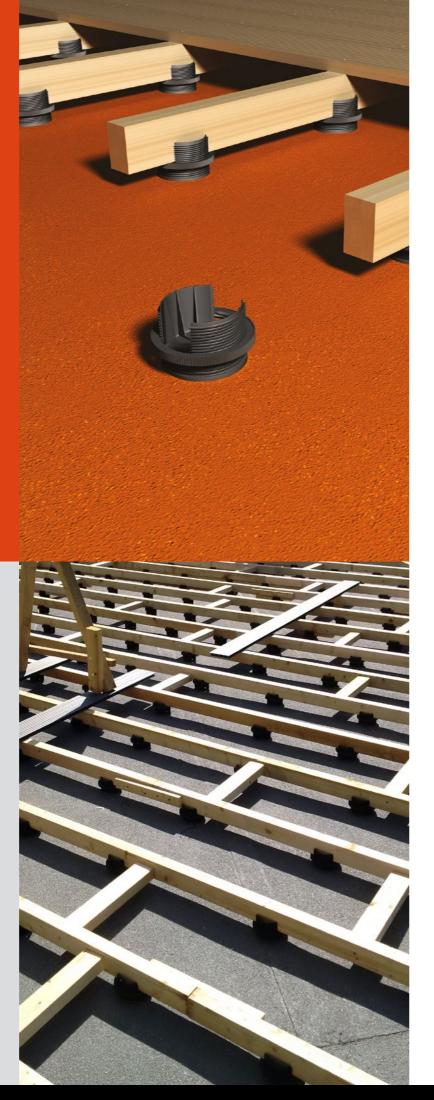
Decking Support Cradles

RynoDeck cradles are the perfect solution where decking requires elevating off the ground by a minimal height.

Strong, safe support.

Simple to install and adjust, they are a very economical method of creating a clear space below the decking joists, which improves air circulation and can help to prevent rot.

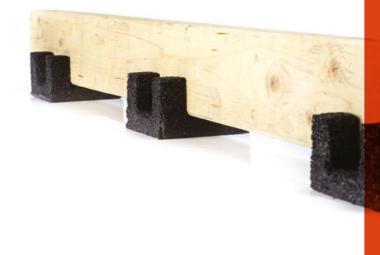
- Supports very low decking applications, as low as 10mm
- Perfect for patio overlays/renovations
- Ideal for creating balcony decking areas
- For low height applications



Adjustable decking cradle



Fixed height decking cradle





Infinite adjustment

The RynoDeck adjustable decking cradle offers joist support with infinite adjustment between 10-40mm.



Simple and versatile

RynoDeck fixed height cradles are a simple and versatile option for elevating decking joists off a flat surface. Made from recycled rubber, they evenly spread the load on the supporting surface.



RYNO DeckSupport[®] Decking Support Cradles

Adjustable decking cradles

4



RDC - 10-40 10-40mm Adjustable Cradle For joists minimum 50mm high.



RDC - 10-40 LH 10-40mm Adjustable Cradle For joists less than 50mm high.

Fixed height decking cradles



RDC - 10

10mm Cradle



20mm Cradle



RDC - 2 2mm Shim RDC - 5

5mm Shim

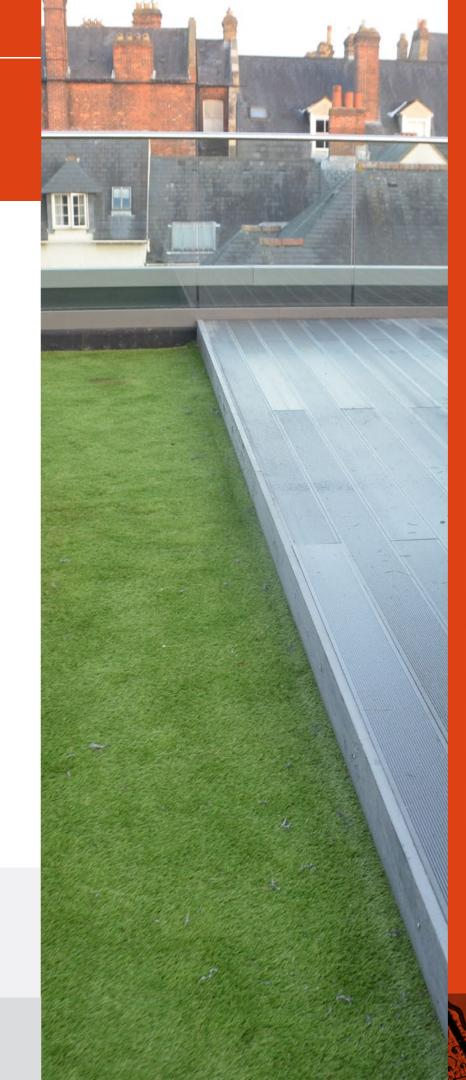
Shims are for fine height adjustment with RDC - 10 and RDC - 20

RynoDeck cradle spacing & quantity calculations

For help calculating the quantity of cradles you require, or for any other guidance regarding your project, call Ryno on:

RDC - 20

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Technical Specifications

Adjustable decking cradles

Fixed height decking cradles

Material

Recycled Nylon (glass filled)

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

Rubber (92% recycled tyre tread)

Resistant to moulds, algae, alkali, bitumen

(min 2mm increments)

Compression

6 kN/m2 (min. 6 cradles/m2)

800 Kg

Base diameter

90mm

100 x 100mm

Bearer width capacity

44-48mm

30-48mm

Bonding agent

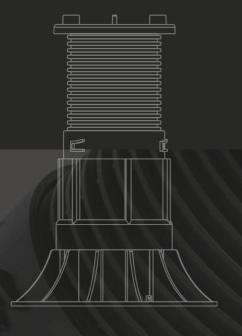
Flexible Polyurethane

21

RYNO AveSupport[™]

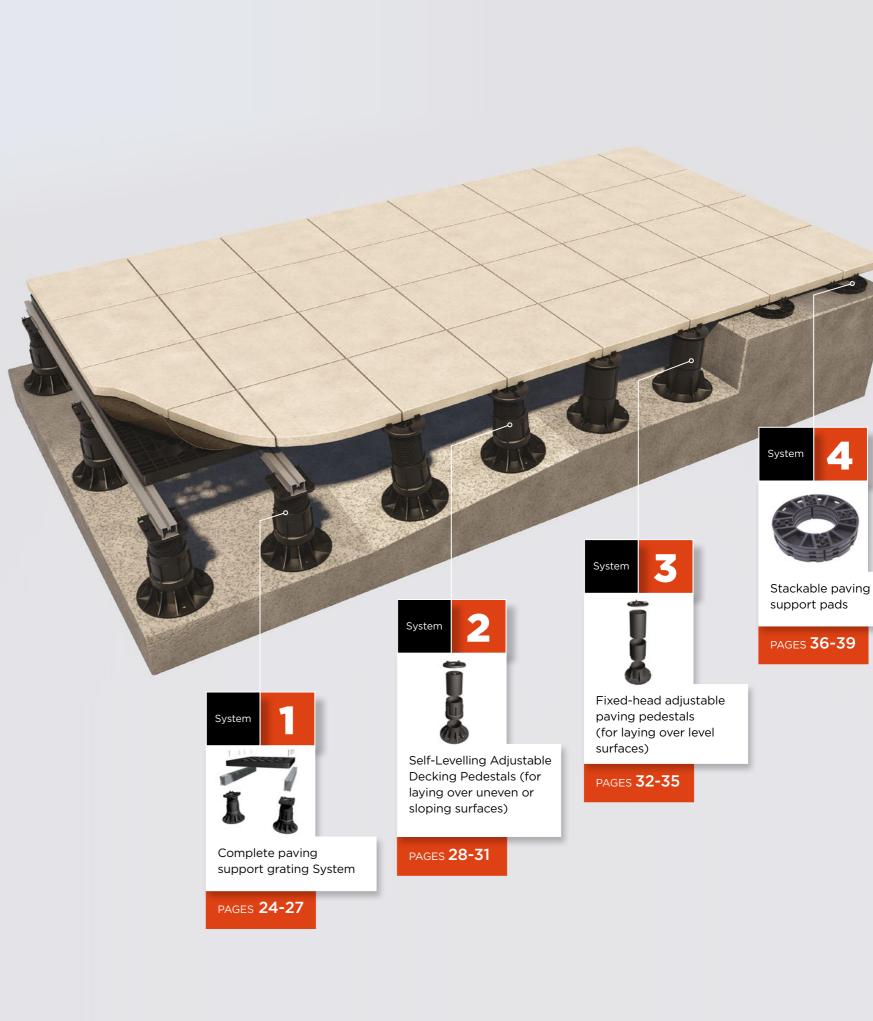
We have paving support systems to suit every project, on every scale.

Contact our sales team and let us fit you out with a system that's right for you.



- Easy to install
- Extremely versatile
- Suitable for all areas from small domestic gardens to large scale developments







RYNO *K*PaveSupport[™]

Complete Paving Support Grating System

The RynoPave paving support grating system takes paving support to a whole new level. The robust polycarbonate grates are specially constructed to provide ultimate stiffness, creating a solid platform to support all types of calibrated paving systems. By creating an elevated paving support surface, RynoPave support grates allow patios and paved areas to be created on very uneven or sloping ground, without having to undertake expensive and disruptive groundworks.

Full Paving support system.

Unlike other systems, RynoPave grates provide full support to the paving system, giving scope to far more intricate paving designs and styles. The grates are supported on two sides by suitable timber joists or Ryno aluminium joists, with RynoPave support pedestals.

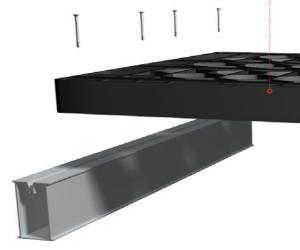
- Creates elevated paving areas with ease
- Eliminates the need for extensive groundworks, such as retaining walls and back-filling
- Perfect for roof terraces and balconies
- Suitable for all types of calibrated paving concrete, block paving, granite, limestone, sandstone, marble
- Unlimited design possibilities; create the pattern format you want!
- Allows rapid water drainage through the paving



8

Paving support grate

Constructed from polycarbonate for ultimate strength, and utilising a specially designed 'honeycomb' structure to increase stiffness, the grate fully supports the paving. A landscape fabric is introduced on top of the grates if the paving kiln dried sand is to be brushed into the joints. The grates are fixed down to the supporting joists with screws to ensure a solid finish.





Supporting pedestals

RynoPave paving support grates can by supported by the Ryno pedestal systems. This ensures ultimate support strength and versatility, and means the system is perfect for paving designs on roof terraces and balconies.

1

Supporting joist structure

The support grates are fully supported on two sides by either timber joists or Ryno Aluminium substructure. It is imperative that the supporting joist structure is of sufficient strength to ensure there is no movement.



1

RYNO PaveSupport[®] Complete Paving Support Grating System

Support grate



PSG-1 Length: 450mm Width: 400mm Thickness: 38mm

Additional components





Landscape Fabric Prevents kiln dried sand from falling through the grates

Ryno aluminium joist structure Provides a high strength supporting structure for the paving support grates.



Pedestals Ryno pedestals provide strong and versatile support for the joists.



Fastening screws High quality wood screws are

sufficient for fixing the grates to a timber joist structure. However with the Ryno aluminium substructure, stainless steel screws should be used to ensure no corrosion occurs.

RynoPave support grating quantity calculations

For help calculating the quantity of paving support grating and components you require, or for any other guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Material

PCABS

(Polycarbonate/Acrylonitrile Butadiene Styrene)

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Grating Dimensions

400 x 450 x 38mm

Support Height

82-1110mm (depending on specific requirement)

Coverage

0.18 m² per grate

Weight

1.814Kg per grate

Allowable load, uniformly distributed (UDL)

Grating only (fully supported on solid flat surface): 52 kN/m²

Complete system (including gratings, support joists and pedestals): 7kN/m²

Allowable load, concentrated

Complete system (including gratings, support joists and pedestals): 2kN/m²



RYNO *K*PaveSupport[™]

Self-levelling Adjustable Paving Pedestals

The RynoPave self-levelling adjustable pedestal is unrivalled in its field.

Designed to support any type of callibrated paving, it offers the highest compressive strength of any pedestal system on the market.

Self-levelling support.

The unique self-levelling pedestal head and impressive height range will accommodate even the most complex paving issues – including sloping areas, drainage and maintenance access.

- Unique self-levelling design offers slope correction up to 10.5%
- Ultimate compression strength for maximum durability
- Simple design ensures rapid installation
- For use with any type of calibrated paving concrete, granite, porcelain, etc.

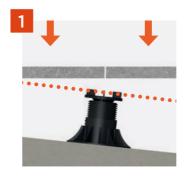


11

Self-levelling paving support head

Due to its innovative self-levelling head design, RynoDeck has the fastest installation time of any pedestal system available.

- Utilises the 'ball & socket' joint concept to allow a free moving captive head
- Provides slope correction of up to 10.5% (6°)
- Lay paving or decking directly onto pedestals without manual slope correction
- Offers significant time savings and a perfectly level finished area
- Alternative head available to support decking





Adjustable threaded section

This heavy grade threaded section allows you to adjust the height in minute increments, within the given range. It's easy to adjust, simply grab and twist.

1

Height extension collar

A very simple design with a single 'click' motion to attach, these extension collars build up the pedestals in 100mm increments.



Wide supporting base

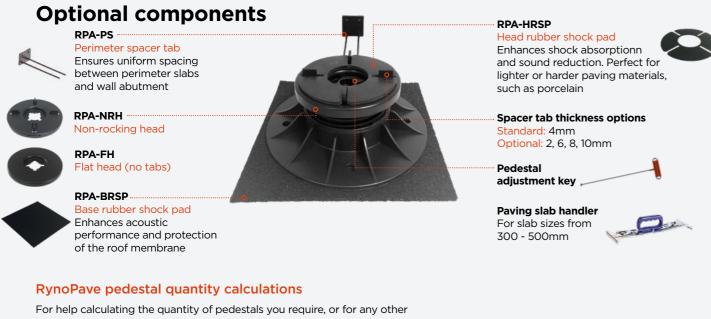
RynoPave creates an evenly spread load on the surface below, ensuring that membranes are well protected. Pedestals are loose laid and do not require fixing to the floor. Designed with water drainage holes to prevent moisture build-up. **RYNO** PaveSupport[®] Self-levelling Adjustable Paving Pedestals

Size range

The vast height range of the RynoPave self-levelling adjustable pedestal allows it to overcome very large changes in surface level, and also conceal services, ductwork and pipes beneath the paving.

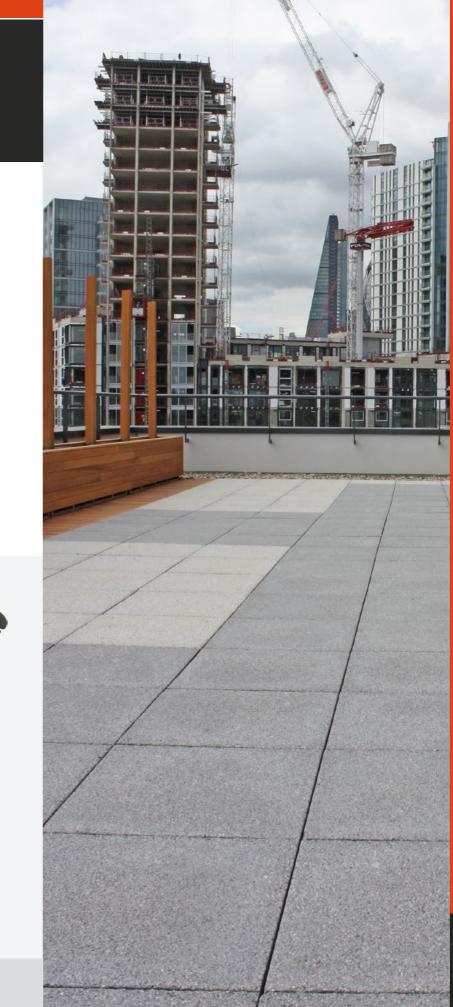
2





guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Material

PP Polypropylene (recyclable), UV resistant

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

40mm-1000mm

Compression

2100 Kg (certified compression data available on request)

Base diameter

210mm / 220mm

Head diameter

130mm

Spacer tab thickness

2mm / 4mm (standard) / 6mm

Working temperature



RYNO *K*PaveSupport[™]

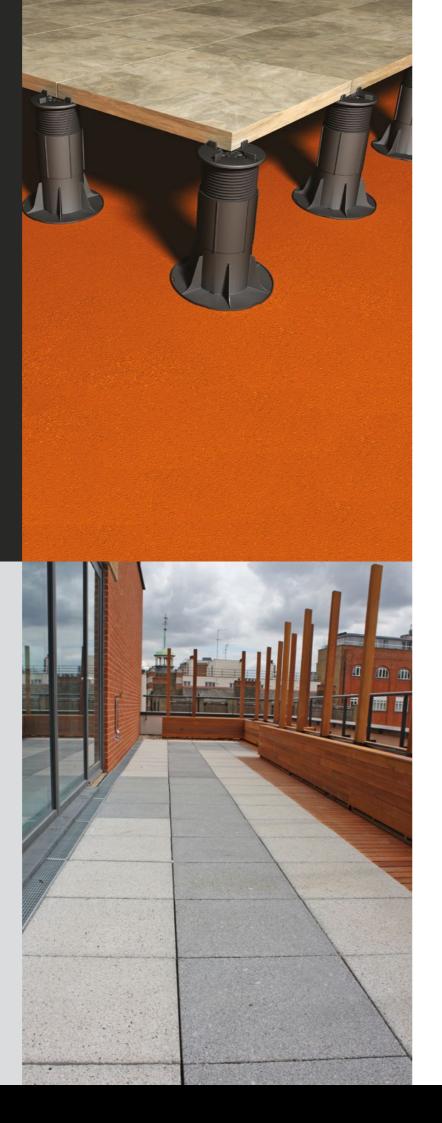
Fixed-head Adjustable Paving Pedestals

The RynoPave fixed-head adjustable pedestal offers a high quality and economical option for supporting paving systems on completely level surfaces. Its impressive 22–550mm height range makes it perfect for areas with problematic height restrictions, as well as areas where greater height build up is required.

Support in any space.

With a simple but very effective design, this pedestal makes for a rapid and effortless paving installation.

- Robust product ensuring stability
 of paving area
- Perfect for very low height installations; adjusts down to 22mm
- Accommodates all types of calibrated paving concrete, granite, porcelain, etc.





Paving support head

Due to its low profile design, the RPF support head allows this pedestal to go right down to 22mm height. The head utilises a clever connection which allows it to turn freely on top of the adjustable threaded section of the pedestal, meaning that the pedestal height can be adjusted once the paving is on top. Paving is spaced perfectly by the uniform spacer tabs.



1

Height extension collar

The extension collar adds 126mm of height by simply threading onto the base of the pedestal. This simple yet sturdy connection makes light work of supporting paving areas right up to 550mm. It is not necessary to determine how many of these extension collars are required; the correct quantity is supplied according to what pedestal size is chosen.

Adjustable threaded section

The robust threaded section allows for incremental height adjustment within the given range. Effortless to adjust, simply turn the section by hand, even once the paving is in place.



Support base

The broad base spreads the load on the surface below and ensures stability.

The pedestals are normally loose laid onto roofing membranes which must not be penetrated, or can be mechanically fixed to concrete or other substrates. **RYNO** PaveSupport[®] Fixed-head Adjustable Paving Pedestals

Size range

The RynoPave fixed-head adjustable pedestal is the perfect solution where paving is to be supported on a totally flat area. Capable of supporting joists as low as 22mm off the surface, it will overcome the common problem of height restrictions, as well as quickly and simply elevating paving areas up to 550mm high.

3



Optional components

Spacer tab thickness options Standard: 4mm Optional: 2, 6, 8, 10mm



RPA-BRSP Base rubber shock pad Enhances acoustic performance and protection of the roof membrane



RPA-HRSP

Head rubber shock pad Enhances shock absorption and sound reduction. Perfect for lighter or harder paving materials, such as porcelain

Pedestal adjustment key

stment key

Paving slab handlerFor slab sizes from300 - 500mm



RynoPave pedestal quantity calculations

For help calculating the quantity of pedestals you require, or for any other guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Material

PP Polypropylene (recyclable), UV resistant

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

22mm-550mm

Compression

1000 Kg

Base diameter

200mm

Head diameter

120mm

Spacer tab thickness

2mm / 4mm (standard) / 6mm

Working temperature





RYNO*K*PaveSupport[™]

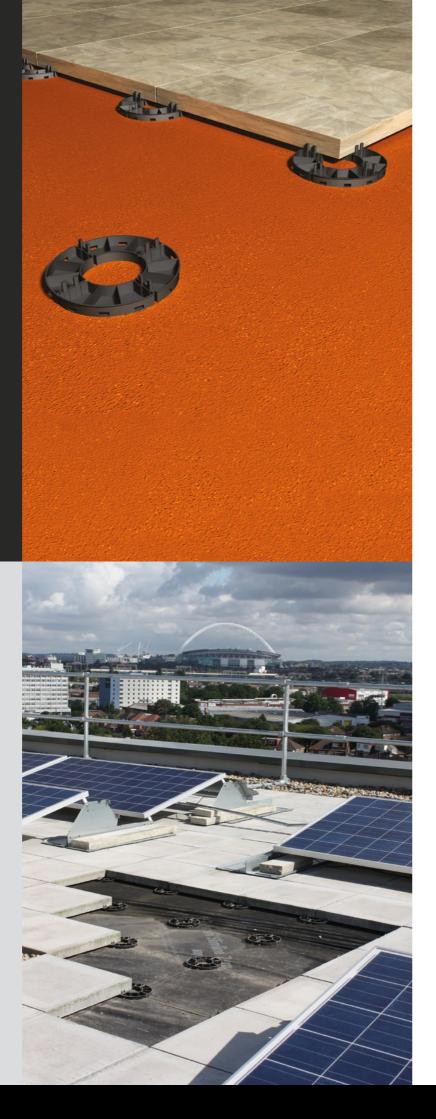
Stackable Paving Support Pads

RynoPave low height stackable paving supports are the perfect solution where paving requires elevating off the ground by a minimal height.

Strong, safe support.

Simple to install and adjust, they are a very economical method of creating a clear space below the paving, which allows for rapid water drainage.

- Supports very low paving applications, as low as 9mm
- Extensively used for ballasting the insulation on inverted roof systems
- Perfect for patio overlays/renovations
- Ideal for creating balcony decking areas
- Stackable, allowing for increased support height where required
- For low height applications



Stackable paving supports

RynoPave stackable paving supports create a perfectly uniform gap below the slabs, and can be stacked up to 3 units high.

Designed for use on totally flat surfaces, such as a roof area with 0° fall, and incorporating a 3mm shim which allows for finer height adjustment where required.



Rubber paving support

Rubber paving supports have increased shock absorbent properties, making them ideal for use with old or less durable membranes. Manufactured from solid rubber, they also have enhanced acoustic characteristics over the polypropylene options.



Adaptable height

Supports can be stacked and combined with shims to achieve the exact height requirement.



Snapping sections

Supports can be snapped into halves and quarters to support slabs at edges and corners.



RYNO PaveSupport[®] Stackable Paving Support Pads

Stackable paving supports

RPS-15

4



<mark>15mm</mark> Stackable paving support



10mm Stackable paving support



RPS-1RPS-2RPS-3Imm2mm3mmStackable pavingsupport shims (For use in
conjunction RPS-10/RPS-15,
for fine height adjustment)

Rubber paving supports

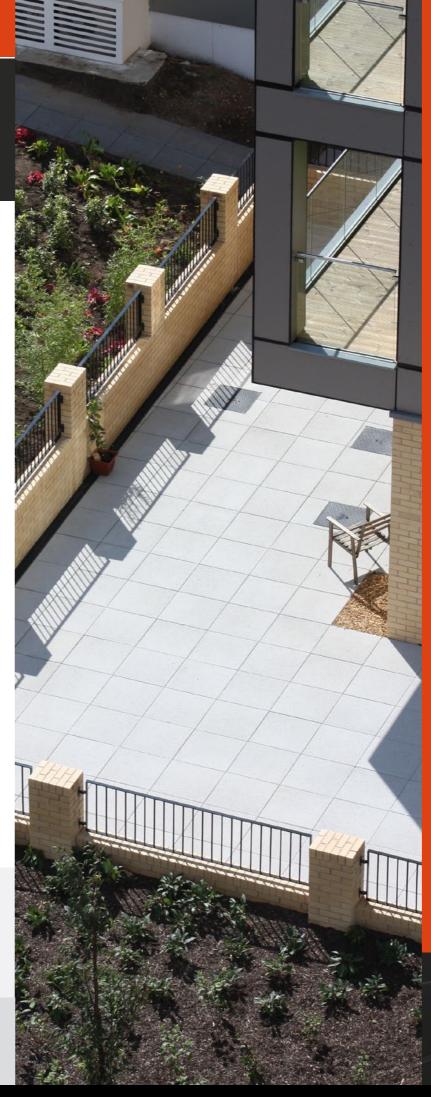


RPS-9 9mm Rubber paving support

RynoPave stackable support quantity calculations

For help calculating the quantity of stackable supports you require, or for any other guidance regarding your project, call Ryno on:

01358 726000



Technical Specifications

Stackable paving supports

Material

PP Polypropylene (recyclable), UV resistant

Biological/Chemical

Resistant to moulds, algae, alkali, bitumen

Height range

1mm – 51mm

Diameter

150mm

120mm

Rubber

Rubber

paving supports

Resistant to moulds,

algae, alkali, bitumen

4mm

Working temperature

Spacer tab thickness



Ryno Ltd. CastlePoint Castle Way, Ellon AB41 9RG

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